

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1.-11. (Canceled)

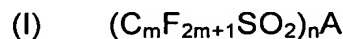
12. (New) A process for preparing functionalized polyorganosiloxane (POS) resins comprising units M: $(R_3SiO_{1/2})$, Q: $(SiO_{4/2})$ and M': $(Y_aR_{3-a}SiO_{1/2})$ and optionally D: $(R_2SiO_{2/2})$ and/or D': $(RYSiO_{2/2})$ and T: $(RSiO_{3/2})$ and/or T': $(YSiO_{3/2})$,

wherein:

the radicals R, which are identical or different, represent C₁-C₁₀ alkyl or C₈-C₁₂ aryl; and

the radicals Y, which are identical or different, represent a functional group Y;

said process comprising redistributing POS resins with POSf bearing functional units M' and/or D' and/or T', as defined above, in the presence of an acid catalyst, wherein at least one catalyst has formula (I) below:



wherein:

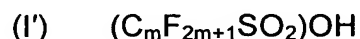
m is an integer greater than or equal to 1; and

n is an integer equal to 1 or 2 and A represents NH₂ or NH with:

(i) $n = 1$ and $A = \text{NH}_2$ or NHR with R being a radical of $\text{SO}_2\text{-Z}$ type with Z being a group other than $\text{C}_m\text{F}_{2m+1}$; or

(ii) $n = 2$ and $A = \text{NH}$.

13. (New) The process as claimed in Claim 12, wherein a mixture of catalysts is employed comprising at least one catalyst of formula (I) and at least one catalyst of formula (I') below:



wherein m is an integer greater than or equal to 1.

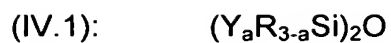
14. (New) The process as claimed in Claim 12, wherein Y is hydrogen, alkenyl, alkynyl, aryl, (alkyl)epoxy, ether, polyether, carboxylic acid, amide, amine, halide, alcohol, or thiol or other sulfur derivative.

15. (New) The process as claimed in Claim 14, wherein Y is phenyl.

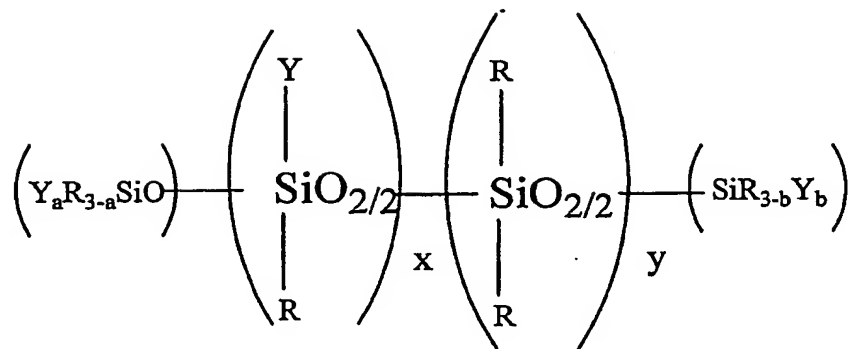
16. (New) The process as claimed in Claim 13, wherein Y is hydrogen, alkenyl, alkynyl, aryl, (alkyl)epoxy, ether, polyether, carboxylic acid, amide, amine, halide, alcohol, or thiol or other sulfur derivative.

17. (New) The process as claimed in Claim 16, wherein Y is phenyl.

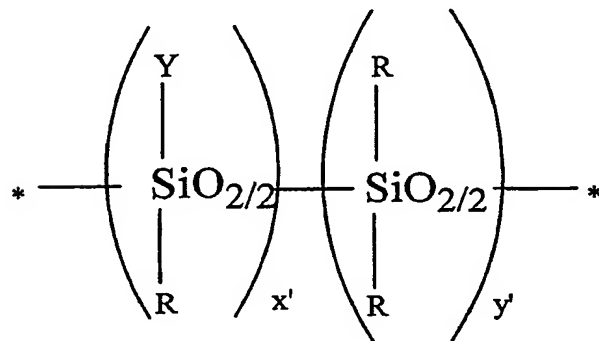
18. (New) The process as claimed in Claim 12, wherein the POSfs bearing functional units M' and/or D' and/or T' have the formula (IV.1), (IV.2) or (IV.3) below:



(IV.2):



(IV.3)



wherein:

Y and R are as defined in Claim 12;

a and b = 0 to 2;

$0 \leq x \leq 200$;

$0 \leq y \leq 200$;

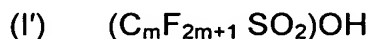
with the condition that if $x + y = 0$, then a and/or $b \neq 0$;

$1 \leq x' \leq 10$;

$0 \leq y' \leq 10$; and

$3 \leq x' + y' \leq 10$.

19. (New) The process as claimed in Claim 18, wherein a mixture of catalysts is employed comprising at least one catalyst of formula (I) and at least one catalyst of formula (I') below:



wherein m is an integer greater than or equal to 1.

20. (New) The process as claimed in Claim 18, wherein Y is hydrogen, alkenyl, alkynyl, aryl, (alkyl)epoxy, ether, polyether, carboxylic acid, amide, amine, halide, alcohol, or thiol or other sulfur derivative.

21. (New) The process as claimed in Claim 12, wherein the catalyst of formula (I) is trifluoromethanesulfonimide acid (TFSI) of formula (I) (ii) with m = 1.

22. (New) The process as claimed in Claim 13, wherein the catalyst of formula (I) is trifluoromethanesulfonimide acid (TFSI) of formula (I) (ii) with m = 1.

23. (New) The process as claimed in Claim 14, wherein the catalyst of formula (I) is trifluoromethanesulfonimide acid (TFSI) of formula (I) (ii) with m = 1.

24. (New) The process as claimed in Claim 18, wherein the catalyst of formula (I) is trifluoromethanesulfonimide acid (TFSI) of formula (I) (ii) with m = 1.

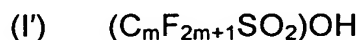
25. (New) The process as claimed in Claim 12, wherein the concentration of acid catalyst (I) is between 1 ppm and 2% by weight relative to the starting resin.

26. (New) The process as claimed in Claim 12, comprising the following essential steps:

- (1) combining the starting POS resin, the POSf bearing functional units and the acid catalyst (I) in an organic solvent;
- (2) reacting at a temperature θ greater than or equal to room temperature and less than or equal to the boiling point of the solvent; and
- (3) optionally quenching the reaction by adding an agent for neutralizing the acid catalyst (I).

27. (New) The process as claimed in Claim 26, wherein the reaction temperature is between 50°C and 100°C.

28. (New) The process as claimed in Claim 26, wherein a mixture of catalysts is employed comprising at least one catalyst of formula (I) and at least one catalyst of formula (I') below:



wherein m is an integer greater than or equal to 1.

29. (New) The process as claimed in Claim 26, wherein the catalyst of formula (I) is trifluoromethanesulfonimide acid (TFSI) of formula (I) (ii) with m = 1.

30. (New) The process as claimed in Claim 26, wherein the organic solvent is provided in the reaction medium by means of a solution of starting POS resin in said solvent.

31. (New) The process as claimed in Claim 30, wherein the organic solvent is xylene or toluene.

32. (New) The process as claimed in Claim 12, wherein Y = H or alkenyl in the functional units M' and/or D' and/or T' of the POSf, and wherein, after the redistribution, other functionalization radicals Y₁ bearing at least one unsaturation or at least one Si-H unit are grafted onto the ≡Si-H or ≡Si-alkenyl units, respectively, of the redistributed resin.

33. (New) The process as claimed in Claim 32, wherein other functionalization radicals Y₁ bearing at least one ethylenic unsaturation are grafted onto the ≡S-H or ≡S-alkenyl units, respectively, of the redistributed resin.

34. (New) The process as claimed in Claim 12, wherein the redistributed and functionalized resin obtained is subjected to at least one other redistribution/functionalization, using POSfs bearing functional units.